

**This Page is Inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record**

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ **BLACK BORDERS**
- ☐ **IMAGE CUT OFF AT TOP, BOTTOM OR SIDES**
- ☐ **FADED TEXT OR DRAWING**
- ☐ **BLURRED OR ILLEGIBLE TEXT OR DRAWING**
- ☐ **SKEWED/SLANTED IMAGES**
- ☐ **COLOR OR BLACK AND WHITE PHOTOGRAPHS**
- ☐ **GRAY SCALE DOCUMENTS**
- ☐ **LINES OR MARKS ON ORIGINAL DOCUMENT**
- ☐ **REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY**
- ☐ **OTHER:** _____

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.




ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18
Stylesheet Version v18.0

Title of
Invention

METHOD AND APPARATUS TO MODIFY GEOLOCATION
ACTIVITIES BASED ON LOGGED QUERY INFORMATION

Application Number: 10/685991 
Confirmation Number: 7092
First Named Applicant: Mark Anderson
Attorney Docket Number: 4714P001C
Art Unit: ~~2455~~ 215)
Examiner: Unknown Unknown K.DINIT
Search string: (6665715).pn.

US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

| init | Cite.No. | Patent No. | Date | Patentee | Kind | Class | Subclass |
|------|----------|------------|------------|----------|------|-------|----------|
| Un | 1 | 6665715 | 2003-12-16 | Houri | | | |

Remarks

Note: Remarks are not for responding to an office action.

Applicants, in accordance with their duty of disclosure under 37 CFR 1.56 and in accordance with 37 CFR 1.97(b)(3), hereby submit this Electronic Information Disclosure Statement citing U.S. Patent Documents for consideration by the Examiner. Pursuant to 37 CFR 1.97, the submission of this Electronic Information Disclosure Statement is not to be construed as a representation that a search has been made and is not to be construed as an admission that the information cited in this statement is material to patentability. This Electronic Information Disclosure Statement is being filed prior to a substantive examination of the claims. Pursuant to 37 CFR 1.97(b), no fee should be required for the filing of this Electronic Information Disclosure Statement. In the event it is determined that a fee is due, please charge the fee to Deposit Account 02-2666. Applicants respectfully request that the cited documents be considered and that the form be initialed by the Examiner to indicate such consideration and a copy thereof be returned to Applicants' attorney of record.

Signature

| Examiner Name | Date |
|---------------|---------|
| Khans Dms | 8/20/04 |

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Use as many sheets as necessary)

Complete If Known

| | |
|----------------------|-----------------------------|
| Application Number | Unknown 10/685,991 |
| Filing Date | Even Date Herewith 10/14/03 |
| First Named Inventor | Anderson, Mark |
| Group Art Unit | Unknown 2151 |
| Examiner Name | Unknown K. DINH |

Sheet 1 of 1

Attorney Docket No: 4714.P001C

US PATENT DOCUMENTS

| Examiner Initial * | USP Document Number | Publication Date | Name of Patentee or Applicant of cited Document | Class | Subclass | Filing Date If Appropriate |
|--------------------|---------------------|------------------|---|--------------|----------|----------------------------|
| ICD | US-09/541,451 | | Parekh, Sanjay, et al. | — | — | 03/31/2000 |
| | US-09/632,959 | | Parekh, Sanjay | — | — | 08/04/2000 |
| | US-4,939,726 | 07/03/1990 | Flammer, , et al. | — | — | 07/18/1989 |
| | US-5,042,032 | 08/20/1991 | Dighe, Rajiv, et al. | — | — | 06/23/1989 |
| | US-5,115,433 | 05/19/1992 | Baran, Paul, et al. | — | — | 04/20/1990 |
| | US-5,291,550 | 03/01/1994 | Levy, Yonatan A., et al. | 379 | — | 07/09/1993 |
| | US-5,418,713 | 05/23/1995 | Allen, | — | — | 08/05/1993 |
| | US-5,421,024 | 05/30/1995 | Faulk Jr., Robert, et al. | — | — | 08/30/1993 |
| | US-5,488,608 | 01/30/1996 | Flammer, George | — | — | 04/14/1994 |
| | US-5,490,252 | 02/06/1996 | Macera, Mario, et al. | — | — | 09/30/1992 |
| | US-5,493,689 | 02/20/1996 | Waclawsky, John G., et al. | 995-9 709 | — | 03/01/1993 |
| | US-5,636,276 | 06/03/1997 | Brugger, Rolf | — | — | 04/18/1995 |
| | US-5,659,596 | 08/19/1997 | Dunn, James M. | 455 | — | 04/12/1995 |
| | US-5,734,651 | 03/31/1998 | Blakeley, Douglas B., et al. | 370 | — | 05/29/1996 |
| | US-5,734,823 | 03/31/1998 | Saigh, Michael, et al. | — | — | 06/25/1996 |
| | US-5,734,891 | 03/31/1998 | Saigh, Michael | — | — | 06/12/1996 |
| | US-5,777,989 | 07/07/1998 | McGarvey, John R. | — | — | 12/19/1995 |
| | US-5,794,217 | 08/11/1998 | Allen, Richard | — | — | 12/03/1996 |
| | US-5,870,561 | 02/09/1999 | Jarvis, Brian L., et al. | 395-8 701 | — | 03/15/1996 |
| | US-5,878,126 | 03/02/1999 | Velamuri, Syama, et al. | — | — | 12/11/1995 |
| | US-5,930,474 | 07/27/1999 | Dunworth, Peter, et al. | — | — | 01/31/1996 |
| | US-5,944,790 | 08/31/1999 | Levy, Daniel R. | — | — | 07/19/1996 |
| | US-5,948,061 | 09/07/1999 | Merriman, Dwight A., et al. | 709 | — | 10/29/1996 |
| | US-5,978,745 | 11/02/1999 | Reisacher, Olivier M. | 709 | — | 03/25/1997 |
| | US-60/132,147 | | Parekh, Sanjay M. | — | — | 05/03/1999 |
| | US-60/133,939 | | Doctor, Brad, et al. | — | — | 05/13/1999 |
| | US-60/226,405 | | Yerushalmi, Yoav | — | — | 08/18/2000 |
| | US-6,009,081 | 12/28/1999 | Wheeler, Christopher C., et al. | 370 | — | 09/03/1997 |
| ✓ | US-6,012,052 | 01/04/2000 | Altschuler, Steven J., et al. | 707 | — | 01/15/1998 |
| ICD | US-6,012,088 | 01/04/2000 | Li, Jim Y., et al. | 709 | ✓ | 12/10/1996 |

EXAMINER

Khanh Binh

DATE CONSIDERED

8/2/04

Substitute Disclosure Statement Form (PTO-1449)

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. * Applicant's unique citation designation number (optional) 2 Applicant is to place a check mark here if English language Translation is attached

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

| | | |
|--|--------------------------------|-----------------------------|
| Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary) | Complete if Known | |
| | Application Number | Unknown 10/685,991 |
| | Filing Date | Even Date Herewith 10/14/03 |
| | First Named Inventor | Anderson, Mark |
| | Group Art Unit | Unknown 2151 |
| | Examiner Name | Unknown K.D./NH |
| Sheet 2 of 2 | Attorney Docket No: 4714.P001C | |

| | | | | | | |
|----|-----------------|------------|------------------------------------|-----|---|------------|
| UD | US-6,012,090 | 01/04/2000 | Chung, Pi-yu , et al. | 709 | — | 03/14/1997 |
| | US-6,014,634 | 01/11/2000 | Scroggie, Michael C., et al. | 705 | — | 08/04/1997 |
| | US-6,035,332 | 03/07/2000 | Ingrassia, Jr., Michael I., et al. | 709 | — | 10/06/1997 |
| | US-6,091,959 | 07/18/2000 | Souissi, Slim , et al. | — | — | 06/02/1999 |
| | US-6,130,890 | 10/10/2000 | Leinwand, Allan S., et al. | — | — | 09/11/1998 |
| | US-6,151,631 | 11/21/2000 | Ansell, Steven , et al. | — | — | 11/15/1998 |
| | US-6,167,259 | 12/26/2000 | Shah, Ali R. | 455 | — | 06/19/1998 |
| | US-6,192,312 | 02/20/2001 | Hummelsheim, Klaus | — | — | 03/25/1999 |
| | US-6,243,746 | 06/05/2001 | Sondur, Raghavendra , et al. | 709 | — | 12/04/1998 |
| | US-6,249,252 | 06/19/2001 | Dupray, Dennis | — | — | 04/23/1999 |
| | US-6,259,701 | 07/10/2001 | Shur, David H., et al. | 370 | — | 09/11/1997 |
| | US-6,272,343 | 08/07/2001 | Pon, Rayman W., et al. | 455 | — | 10/13/1998 |
| | US-6,356,929 | 03/12/2002 | Gall, Thomas A., et al. | 709 | — | 04/07/1999 |
| | US-6,442,565 | 08/27/2002 | Tyra, Kristopher L., et al. | 707 | — | 08/13/1999 |
| | US-6,477,150 | 11/05/2002 | Maggenti, Mark , et al. | 370 | — | 03/03/2000 |
| | US-6,542,739 | 04/01/2003 | Garner, William | 455 | — | 10/06/2000 |
| | US-WO0,022,495 | 04/20/2000 | Ansell, Steven T. | — | — | |
| | US-WO0,067,450 | 11/09/2000 | Parekh, Sanjay M., et al. | — | — | 05/02/2000 |
| | US-WO0,157,696 | 02/05/2001 | McElligott, Adrian | — | — | |
| | US-WO0,175,632 | 10/11/2001 | Anderson, Mark , et al. | — | — | 04/03/2001 |
| | US-WO0,217,139 | 08/15/2001 | Dhanidina, Rizwan , et al. | — | — | |
| WD | US-W,096,13,108 | 05/02/1996 | Aggarwal, Ajay , et al. | — | — | 10/24/1994 |

| FOREIGN PATENT DOCUMENTS | | | | | | |
|--------------------------|---------------------|------------------|---|-------|----------|----------------|
| Examiner Initials* | Foreign Document No | Publication Date | Name of Patentee or Applicant of cited Document | Class | Subclass | T ² |
| UD | AU-PQ 5456AU | 02/04/2000 | McElligott, Adrain | — | — | |
| UD | IB-WO 02/013459 | 09/04/2000 | Parekh, Sanjay M. | — | — | |
| UD | WO-WO 0067450 | 11/09/2000 | Parekh, Sanjay M., et al. | — | — | |
| UD | WO-WO 9934305 | 07/08/1999 | Kenney, William | — | — | |

EXAMINER

K.D./NH

DATE CONSIDERED

8/2/04

Substitute Disclosure Statement Form (PTO-1449)

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 600. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. † Applicant's unique citation designation number (optional) ‡ Applicant is to place a check mark here if English language Translation is attached

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

| | | |
|--|--------------------------------|-----------------------------|
| Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary) | Complete if Known | |
| | Application Number | Unknown 10/685-991 |
| | Filing Date | Even Date Herewith 10/14/03 |
| | First Named Inventor | Anderson, Mark |
| | Group Art Unit | Unknown 2151 |
| | Examiner Name | Unknown K. DINH |
| Sheet 3 of 3 | Attorney Docket No: 4714.P001C | |

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS

| Examiner Initials* | Cite No ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
|--------------------|----------------------|---|----------------|
| KD | | "Content Delivery Services: Footprint Streaming Solutions", Digital Island San Francisco, CA, 1-4 | |
| | | "DHCP", internet.com Webopedia, www.pcwebopedia.com/TERM/D/DHCP.html , (12/23/96), 1-2 | |
| | | "Geographic Location Representation in DNS", www.bovine.net/~jlawson/hmc/dns/location.html , (3/28/02), 1-3 | |
| | | "Geographic Routing Project Description", www.cs.Rutgers.edu/~navas/dataman/abstract.html , 1-3 | |
| | | "ICMP", internet.com Webopedia, www.pcwebopedia.com/TERM/I/ICMP.html , (7 28 97), 1-2 | |
| | | "Prominent Internet Industry Executives Launch Quova, Provide Internet Intelligence to E-businesses", www.quova.com/pressrelease.cfm , (9/18/00), 1-2 | |
| | | "Quova Brings Geography to the Internet with Introduction of GeoPoint 2.0", www.Quova.com/pressrelease.cfm , (February 12, 2001), 1-3 | |
| | | "TraceWare White Paper", Digital Island San Francisco, CA, (June 1999), 8 | |
| | | "Using IP Subnet Masks", www.wizard.com/users/baker/public.html , 1 | |
| | | "What's a Netmask? And Why do I Need One?", www.johnscloset.net/primer/subnet.html , 1-3 | |
| | | BUYUKKOKTEN, ORKUT, "Exploiting Geographical Location Information of Web Pages", Department of Computer Science, Stanford University, Stanford, CA 94035, 1-6 | |
| | | COONEY, RON, "Subnet Addressing", www.networkcomputing.com/unixworld/tutorial/001.html , 1-7 | |
| | | DAVIS, C., et al., "A Means for Expressing Location Information in the Domain Name System Status of this Memo", www.ckdhr.com-dns-los/rfc1876.txt , (January 1996), 1-17 | |
| | | DEBELLIS, MATTHEW, "Digital Envoy Greets \$1.1 Million", VC & Startups, (February 29, 2000), 3 | |
| | | DODGE, MARTIN, et al., "Where on Earth is the Internet", Center for Advanced Spatial Analysis, University College London, www.geog.ulc.ac.uk/casa/martin/internetspace/paper-telecom.html , (3/1998), 1-15 | |
| | | DOMMETY, GOPAL, et al., "Potential Networking Applications of Global Positioning Systems (GPS)", Dept. of Computer and Information Science, The Ohio State University, Columbus, Ohio, 1-40 | |
| | | EASTLAKE, "Domain Name System Security Extensions; Network Working Group; Request for Comments", http://www.ietf.org/rfc/rfc2151.txt , (March 1999), 1-42 | |
| KD | | FARRELL, C., et al., "DSN Encoding of Geographical Location", Curtin University of Technology, www.cis.ohio-state.edu/cgi-bin/rfc1712.html , (November 1994), 1-6 | |

EXAMINER

K. DINH

DATE CONSIDERED

8/2/04

Substitute Disclosure Statement Form (PTO-1449)

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 909. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional) 2 Applicant is to place a check mark here if English language translation is attached

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

| | | |
|--|----------------------|--------------------------------|
| Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary) | Complete if Known | |
| | Application Number | Unknown 10/685,991 |
| | Filing Date | Even Date Herewith 10/14/03 |
| | First Named Inventor | Anderson, Mark |
| | Group Art Unit | Unknown 2151 |
| | Examiner Name | Unknown K. DINH |
| Sheet 4 of 4 | | Attorney Docket No: 4714.P001C |

| OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS | | | |
|--|----------|---|---|
| Examiner Initials* | Cite No. | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T |
| WD | | FILEDRIVE, F, "Mapping the Internet", www.jevans.com/pubnetmap.html , (October 1995), 1-4 | |
| | | HAMILTON, MARTIN, "Uniform Resource Identifiers & the Simple Discovery Protocol", Dept. of Computer Studies, Loughborough University of Technology, (6/20/95), 1-23 | |
| | | HARRENSTEIN, et al., "NICNAME/WHOIS" Network Working Group; Request For Comments", http://www.ietf.org/rfc0954.txt , (October 1985), 1-4 | |
| | | HARRIS, NICOLE, "Digital Envoy Offers A Way TO 'Geo Target'", file://C:\WINNT\Profiles\wilkins\temporary%20Internet%20Files\OLK12\WSJ.com%20-%20From%20the%..., (April 12, 2001), 1-3 | |
| | | IMIELINSKI, TOMASZ, et al., "Geographic Addressing, Routing, and Resource Discovery with the Global Positioning System", Computer Science Dept. Rutgers, The State University, Piscataway, NJ 08855, (10/19/96), 1-10 | |
| | | IMIELINSKI, TOMASZ, et al., "GPS-Based Addressing and Routing", Computer Science Dept. Rutgers, The State University, Piscataway, NJ 08855, (3/7/96), 1-35 | |
| | | KESSLER, et al., "A Primer on Internet and TCP/IP Tools and Utilities Network Working Group; Request for Comments", http://www.ietf.org/rfc2151.txt , (June 1997), 1-46 | |
| | | LAMBERT, JOHN, "Subnet Masking Definition", www.exabyte.net/lambert/subnet/subnet_masking_definition.htm , (1999), 1-2 | |
| | | LAMM, STEPHEN, et al., "Real-Time Geographic Visualization of World Wide Web Traffic", WWW Journal Issue 3, (1996), 1-14 | |
| | | MCCURLEY, KEVIN S., "Geospatial Mapping and Navigation of the Web", IBM Almaden Research Center, San Jose, CA 95120, (May 1-5, 2001), 221-229 | |
| | | MOORE, DAVID, et al., "Where in the World is Netgo.caida.org", Cooperative Association of Internet Data Analysis - CAIDA, San Diego, CA, (2000), 1-13 | |
| | | NAVAS, JULIO C., et al., "On Reducing the Computational Cost of Geographic Routing", Rutgers University, New Brunswick, NJ, (1/24/00), 1-28 | |
| | | PADMANADHAN, VENKATA N., et al., "Determining the Geographic Location of Internet Hosts", www.research.microsoft.com/~padmanab/ ; Microsoft Research, University of California Berkeley, 15 | |
| | | QUARTERMAN, JOHN S., et al., "Internet Integration Pinged and Mapped", Internet Interaction Proc INET, (1994), 522-1 through 522-10 | |
| | | RAZ, URI, "How to Find a Host's Geographical Location?", www.private.org.il/IP2geo.html , (3/28/02), 1-3 | |
| WD | | SCHWARTZ, MICHAEL F., "Applying an Information Gathering Architecture to NetFind: A White pages Tool for a Changing and Growing Internet", University of Colorado Technical Report; IEEE/ACM Transactions on Networking, (December 1993), 1-23 | |
| WD | | SHIODE, NARUSHIGE, "Analyzing the Geography of the Internet Address | |

EXAMINER

K. DINH

DATE CONSIDERED

8/2/04

| | | | | | | | | | | | | | |
|--|---|--------------------------|--|------------------|--------------------|-------------|-----------------------------|----------------------|----------------|----------------|--------------|---------------|-----------------|
| Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary) | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center;"><i>Complete if Known</i></td> </tr> <tr> <td style="width: 50%;">Applicant Number</td> <td>Unknown 10/685 991</td> </tr> <tr> <td>Filing Date</td> <td>Even Date Herewith 10/14/03</td> </tr> <tr> <td>First Named Inventor</td> <td>Anderson, Mark</td> </tr> <tr> <td>Group Art Unit</td> <td>Unknown 2151</td> </tr> <tr> <td>Examiner Name</td> <td>Unknown K. DINI</td> </tr> </table> | <i>Complete if Known</i> | | Applicant Number | Unknown 10/685 991 | Filing Date | Even Date Herewith 10/14/03 | First Named Inventor | Anderson, Mark | Group Art Unit | Unknown 2151 | Examiner Name | Unknown K. DINI |
| <i>Complete if Known</i> | | | | | | | | | | | | | |
| Applicant Number | Unknown 10/685 991 | | | | | | | | | | | | |
| Filing Date | Even Date Herewith 10/14/03 | | | | | | | | | | | | |
| First Named Inventor | Anderson, Mark | | | | | | | | | | | | |
| Group Art Unit | Unknown 2151 | | | | | | | | | | | | |
| Examiner Name | Unknown K. DINI | | | | | | | | | | | | |
| Sheet 5 of 5 | Attorney Docket No: 4714.P001C | | | | | | | | | | | | |

| OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS | | | |
|--|-----------------------|---|--|
| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | |
| WD | | Space", http://geog.ucl.ac.uk/casa/martine/internetspace , 1-3, 3/16/98 | |
| WD | | SUBRAMANIAN, LAKSHMINARAYANAN, et al., "Geographic Properties of Internet Routing: Analysis and Implications", Technical Report MSR-TR-2001-89; Microsoft Research; Redmond, WA, (September 2001), 1-12 | |
| WD | | WOOLEY, SCOTT, "We Know Where You Live", http://forbes/200/1113/6613332a.html;\$sessionid\$Q4DBX0QAACP0 , (November 13, 2000), 2 | |

EXAMINER

Khanh Dinh

DATE CONSIDERED

8/2/04